

Title (en)

CONSTRUCTION ELEMENT FOR BUILDINGS THAT ACCUMULATES LATENT HEAT

Title (de)

LATENTSPEICHER-BAUELEMENT FÜR GEBÄUDE

Title (fr)

ELEMENT DE CONSTRUCTION POUR BATIMENT, DESTINE A EMMAGASINER LA CHALEUR LATENTE

Publication

EP 1248932 A2 20021016 (DE)

Application

EP 01900071 A 20010116

Priority

- CH 0100024 W 20010116
- CH 1082000 A 20000120

Abstract (en)

[origin: WO0153756A2] The invention relates to a construction element that comprises at least one first transparent pane (14) and a parallel second pane (10, 11) that is at least partially transparent and that contains a material (12) accumulating latent heat. The material (12) accumulating latent heat is dyed or pigmented so as to absorb light in the infrared range of the sunlight spectrum. The inventive construction element is highly efficient in absorbing light directly in the latent heat accumulator.

IPC 1-7

F24J 1/00

IPC 8 full level

E04B 1/74 (2006.01); **C09K 5/06** (2006.01); **F24J 2/00** (2014.01); **F24J 2/04** (2006.01); **F24J 2/34** (2006.01); **F24J 2/50** (2006.01); **F24S 23/00** (2018.01)

CPC (source: EP US)

C09K 5/063 (2013.01 - EP US); **F24S 20/61** (2018.04 - EP US); **F24S 20/66** (2018.04 - EP US); **F24S 23/10** (2018.04 - EP US); **F24S 60/10** (2018.04 - EP US); **F24S 80/56** (2018.04 - EP US); **F28D 20/02** (2013.01 - EP US); **Y02B 10/20** (2013.01 - EP US); **Y02E 10/40** (2013.01 - EP); **Y02E 10/44** (2013.01 - US); **Y10S 126/907** (2013.01 - EP US)

Citation (search report)

See references of WO 0153756A2

Cited by

DE102007047693A1; DE102008019717B4; DE102014100448A1; DE102008033398A1; WO2009043338A3

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

WO 0153756 A2 20010726; **WO 0153756 A3 20020124**; AT E281635 T1 20041115; AU 2338601 A 20010731; CN 1325855 C 20070711; CN 1395671 A 20030205; DE 50104382 D1 20041209; EP 1248932 A2 20021016; EP 1248932 B1 20041103; JP 2003520915 A 20030708; JP 4664562 B2 20110406; TW 451022 B 20010821; US 2003000171 A1 20030102; US 6860079 B2 20050301

DOCDB simple family (application)

CH 0100024 W 20010116; AT 01900071 T 20010116; AU 2338601 A 20010116; CN 01803915 A 20010116; DE 50104382 T 20010116; EP 01900071 A 20010116; JP 2001554001 A 20010116; TW 90101448 A 20010120; US 18134302 A 20020717